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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
097029,688	03/03/98	MADEMANN	

HILL STEADMAN & SIMPSON  
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EXAMINER	
ART UNIT BUTKA	PAPER NUMBER
	7

DATE MAILED 7746

10/01/99

Please find below a communication from the EXAMINER in charge of this application.

Commissioner of Patents

See Attached

# Office Action Summary

Application No.  
**09/029,688**

Applicant(s)  
**Mademann**

Examiner  
**Philip Sobutka**

Group Art Unit  
**2746**



☒ Responsive to communication(s) filed on Mar 3, 1998

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

## Disposition of Claims

☒ Claim(s) 1-13 is/are pending in the application.

Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

☐ Claim(s) \_\_\_\_\_ is/are allowed.

☒ Claim(s) 1-13 is/are rejected.

☐ Claim(s) \_\_\_\_\_ is/are objected to.

☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☒ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_

☒ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

☒ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 6

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tiedemann, Jr. et al (US 5,588,043) in view of Madhavapeddy (US 5,875,400).

Consider claims 10,11,12. Tiedemann teaches a location registration system in which mobile transmit registration information that contains a cell identifier in addition to a location identifier (Tiedemann fig 1, item 70, col 9, lines 2-17, line 61 - col 10, line 13), the cell identifier and location identifier being stored in a subscriber database of the MSC (Tiedemann fig 1, item 50). Tiedemann lacks a teaching of the stored cell identifier being used in the paging of the mobile. Madhavapeddy et al teaches a system in which the mobile is paged based on the cell identifiers stored to locate the probable cells in which the mobile can be found, only if the mobile does not respond does the paging area expand (Madhavapeddy col 2, line 45 - col 3, line 13). It would have been obvious to modify Tiedemann to use the cell identifier paging system of Madhavapeddy in order to reduce number of page transmissions needed.

As to claim 13, note that Madhavapeddy's method includes paging to adjacent cells (Madhavapeddy, col 4, lines 6-30).

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As to claims 1-4,6, the system of Tiedemann in view of Madhavapeddy would perform the claimed steps.

As to claims 5,7,8, note that Tiedemann teaches storing the time of the last registration, along with the mobile, zone and cell identifiers (Tiedemann fig 1, item 50).s

Consider claim 9, Tiedemann in view of Madhavapeddy lack a teaching of the identifiers being sent according to a packet data service. It would be appreciated by those skilled in the art that the above difference would depend more upon engineering design considerations than on any inventive concept limitation because the overall operation of the system would not be changed by naming any particular data transfer service. Official Notice is taken that packet data service is notoriously well known in the art. It would have been obvious to one of ordinary skill in the art to modify Tiedemann in view of Madhavapeddy to use a packet data service to transfer the identifiers in order to utilize a resource efficient transfer method.

### ***Specification***

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

### ***Information Disclosure Statement***

4. The information disclosure statement filed 3-3-98 fails to comply with 37 CFR 1.98(a)(3) because it does not include a concise explanation of the relevance, as it is presently understood by the individual designated in 37 CFR 1.56(c) most knowledgeable about the content of the

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information, of each patent listed that is not in the English language. It has been placed in the application file, but the information referred to therein has not been considered.

***Conclusion***

**5. Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**or faxed to:**

(703) 305-9051, (for formal communications intended for entry)

**Or:**

(703) 305-9508 (for informal or draft communications, please label

"PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2021 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

**6.** Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip Sobutka whose telephone number is (703) 305-4825. The examiner can normally be reached on Monday-Thursday from 8:00 AM-5:30 PM. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by phone are unsuccessful, the examiner's supervisor, Wellington Chin, can be reached at (703) 305-4366.


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Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Philip Sobutka  
September 18, 1999  
PJS:pjs



WELLINGTON CHIN  
SUPERVISORY PATENT EXAMINER  
GROUP 2700